

Title (en)

COATING SYSTEM WITH TWO-PLY METALLIC LAYER

Title (de)

SCHICHTSYSTEM MIT ZWEILAGIGER METALLISCHER SCHICHT

Title (fr)

SYSTÈME DE REVÊTEMENT D'UNE COUCHE MÉTALLIQUE À DEUX SOUS-COUCHES

Publication

EP 2699713 A1 20140226 (DE)

Application

EP 11735833 A 20110708

Priority

EP 2011061655 W 20110708

Abstract (en)

[origin: WO2013007281A1] Known protective layers having high Cr content and additional silicon form brittle phases, which additionally become brittle under the effect of carbon during use. The protective layer according to the invention comprises a two-part metal layer, which only contains tantalum on the outside.

IPC 8 full level

C23C 28/02 (2006.01); **C23C 30/00** (2006.01); **F01D 5/28** (2006.01); **F01D 25/00** (2006.01)

CPC (source: EP US)

B32B 15/043 (2013.01 - US); **C22C 19/058** (2013.01 - EP US); **C23C 28/022** (2013.01 - US); **C23C 28/023** (2013.01 - EP US);
C23C 28/30 (2013.01 - US); **C23C 28/321** (2013.01 - US); **C23C 28/3215** (2013.01 - US); **C23C 30/00** (2013.01 - EP US);
C23C 30/005 (2013.01 - US); **F01D 5/288** (2013.01 - EP US); **F01D 25/005** (2013.01 - US); **F01D 25/007** (2013.01 - US);
F05D 2300/132 (2013.01 - EP US); **F05D 2300/518** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US);
Y10T 428/12618 (2015.01 - EP US); **Y10T 428/12931** (2015.01 - EP US); **Y10T 428/12937** (2015.01 - EP US); **Y10T 428/12944** (2015.01 - EP US)

Citation (search report)

See references of WO 2013007281A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013007281 A1 20130117; CN 103649372 A 20140319; CN 103649372 B 20151021; EP 2699713 A1 20140226; EP 2699713 B1 20150826;
KR 101597924 B1 20160307; KR 20140024968 A 20140303; RU 2014104513 A 20150827; RU 2566693 C2 20151027;
US 2014234662 A1 20140821; US 9435222 B2 20160906

DOCDB simple family (application)

EP 2011061655 W 20110708; CN 201180072189 A 20110708; EP 11735833 A 20110708; KR 20147003244 A 20110708;
RU 2014104513 A 20110708; US 201114131572 A 20110708